#### FISH & RICHARDSON P.C.

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#### 特許出願宣言書及び委任状

#### Japanese Language Declaration

#### 日本語宣言書

下での氏名の発明者として、私はパ下の通り宣言します。	As a below named inventor, I hereby declar "hat:
私の住所、私言語、国籍は下記の私の氏名の後に記載され た通りです。	My residence, post office address and citizenship are as stated next to my name.
下記の名称の発明に関して請求範囲に記載され、特許出題している発明内容について、私が最初かつ唯一の発明者(下記の氏名が一つの場合)もしくは最初かつ共同発明者であると(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
	SEMICONDUCTOR DEVICE AND MANUFACTURING
	METHOD THEREOF
上記発明の明細音(下記の欄でx目がついていない場合は、 本書に旅付)は、	the specification of which is attached hereto unless the following box is checked:
□ _月_日に提出され、米国出顧番号または特許協定条約 国際出類番号をとし、 (該当する場合) に訂正されました。	was filed on March 23, 1998 as United States Application Number or PCT International Application Number 09/046, 198 and was amended on (if applicable).
利は、特許請求範囲を含む上記訂正後の明細書を検討し、 内容を理解していることをここに表明します。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
社は、運郵規則法典第37編第1条56項に定義されると おり、特許資格の有無について重要な情報を開示する義務が あることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56,

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### Japanese Language Declaration

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Prior Foreign Application(s)

外国での元件出版 09-090245	Japan
(Number)	(Country)
( <del>雪号</del> ) 09-090246	(国名)
09-090246	Japan
(Number)	(Country)
(番号)	(国名)

利は、第35編米圏法典119条(e)項に基いて下記の米 圏特計出額規定に記載された権利をここに主張いたします。

(Application No.) (Filing Date) (出類日)

私は、下記の米国法典第35編120条に基いて下記の米国特許出頭に記載された権利。又は米国を指定している特許協力条約365条(c)に基ずく権利をここに立張します。また、本出類の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出類に開示されていない限り、その先行米国出類者提出日以降で不出類者の日本国内または特許協力条約国際提出日までの期間中に入手された、運邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.) (Filing Date) (出類音号) (出類日) (不知日) (Application No.) (Filing Date) (出類音号) (出類音号)

私は、私自身の知識に基づいて本宣言言中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基づく表明が全て真実であると信じていること。さらに放意になされた成偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること。そしてそのような故意による虚偽の声明を行なえば、出額した。又は既に許可された特許の有効性が失われることを認識し、よってここに「記のごとく宣誓を致します。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed 優先権主張なし

March 24, 1997

(Day/Month/Year Filed)
(出類年月ミ)

March 24, 1997

(Day/Month/Year Filed)
(出類年月ミ)

I hereby claim the benefit under Title 35. United States Code. Section 119(e) of any United States provisional application(s) listed below

(Application No.) (Filing Date) (出類音)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented Pending Abandoned) (現況: 特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned) (現況: 特許許可濟、係属中、故薬済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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#### Japanese Language Declaration (日本語図書書

サイズ - 地位で花が発達するして、本門遺に関する一切の POWER OF 4市ORNEY: As a named inventor, Fiberedy addoint 人の云名はび孟桑寺を規範のこと。

二尺字分子并产品在通过可以可运行可占于通过运动。而是这一 the following attorney(s) and/or agent(s) to prosecute this として、下記の者を授名されてはます。(井頂立、宝 たは 寸書 🥟 application, and transact all business in the Patent and Trademark Office connected therewith discrame and registration number;

Scott C. Hartis Reg. No. 32,030

TERRESCOTT C. Earris FISE & RICELEDSON 4005 Executive Square, Sta. 1400 La Jolla, CA 91037

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唯一または第一発明者	Full name of sole or first inventor
	Yoshiharu HIRAKATA
発明者の署名 日付	Inventor's signature Date
	(Joshiharu (dirakata June 1, 1998
住所	Residence
	Kanagawa, Japan
国籍	Citizenship
	Japanese
私書箱	Post Office Address
	c/o SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
	398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan
第二共同発明者	Full name of second joint inventor, if any
	Takeshi FUKADA
発明者の署名 日付	Inventor's signature Date  Takeshi Fukada June 1, 1998
住所 .	Residence
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	Citizenship
	Japanese
私書箱	Post Office Address
	c/o SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
	398, Hase, Atsugi-shi, Kanagawa-ken 243-0036
(第三以降の共同発明者についても同様に記載し、署名をす	(Supply similar information and signature for third and
<b>る</b> こと)	subsequent joint inventors.)

Page 3 of 3a

			· · · · · · · · · · · · · · · · · · ·
第三共同発明者		Full name of third joint inventor, if any	
		Shunpei YAMAZAKI	
発明者の署名	日付	Inventor's signature	Date
			June 2, 1998
住所		Residence	2, 2,7,0
		The state of the s	
国籍		Tokyo, Japan Citizenship	
<b>□</b> #		·	
		Japanese	
私書箱		Post Office Address	
		c/o SEMICONDUCTOR ENERGY LABORA	TORY CO., LTD.
		398, Hase, Atsugi-shi, Kanagawa	-ken 243-0036
第四共同発明者		Japan Full name of fourth joint inventor, if any	<del></del>
**************************************		r distribute of fourth joint inventor, it diff	
 発明者の署名		Inventor's signature	Date
7.41 to 14 to 1		mvomor o orginalaro	
住所		Residence	
IE <i>n</i> i		residence	
国籍		Citizenship	
<b></b>			
私書箱		Post Office Address	
	<del></del>		<del>,, </del>
第五共同発明者		Full name of fifth joint inventor, if any	
発明者の署名		Inventor's signature	Date
<b>住所</b>		Residence	
国籍		Citizenship	
<b>当</b> #		Citizenship	
仏書箱		Post Office Address	
M E 10			
第六共同発明者		Full name of sixth joint inventor, if any	
発明者の署名		Inventor's signature	Date
		·	
主所		Residence	*
<b>国籍</b>		Citizenship	
<b>公書箱</b>		Post Office Address	
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# CHANGE OF CORRESPONDENCE ADDRESS Application

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Application Number	New Divisional Application	
Filing Date	September 8, 2003	
First Named Inventor	Yoshiharu Kirakata et al.	
Group Art Unit		
Examiner Name		
Attorney Docket Number	07977-241003	

Please change the Corre	spondence Address fo	r the above-identific	ed application to:	
Customer Num	ber: 26	171		
Firm <i>or</i> Individual Name	John F. Hayden			
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Telephone	(202) 783-5070	Fax	(202) 783-2331	
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Typed or Printed Name Signature Date Septe	John F. Hayden  Hayden  Monthson Hayden  Monthson Hayden  Monthson Hayden	Telepl	none (202) 783	3-5070
·	ventors or assignees of rec	•		s) are required. Submit multiple



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ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SEPTEMBER 22, 1998

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FISH & RICHARDSON P.C. SCOTT C. HARRIS 4225 EXECUTIVE SOUARE SUITE 1400 LA JOLLA, CA 92037



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FISH & RICHARDSON, P.C. LA JOLLA, CA

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RECORDATION DATE: 07/01/1998

REEL/FRAME: 9301/0958

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HIRAKATA, YOSHIHARU

DOC DATE: 06/01/1998

ASSIGNOR:

FUKADA, TAKESHI

DOC DATE: 06/01/1998

ASSIGNOR:

YAMAZAKI, SHUNPEI

DOC DATE: 06/02/1998

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

398, HASE, ATSUGI-SHI

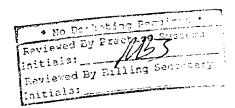
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 09046198

PATENT NUMBER:

FILING DATE: 03/23/1998

ISSUE DATE:



9301/0958 PAGE 2

PEARLENE FOSTER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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## Assistant Commissioner for Paten

07-15-1998

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		·

05 Attorn v Dooket No : 07977/244004

cument.			

2. Name and address of receiving party(ies):

Kanagawa-ken 243-0036 Japan

398, Hase, Atsugi-shi

Semiconductor Energy Laboratory Co., Ltd.

Additional names/addresses attached? ☐ Yes ■ No.

 Name of conveying party(ies): Yoshiharu Hirakata Takeshi Fukada Shunpei Yamazaki

Additional name(s) attached? ☐ Yes ■ No

- 3. Nature of conveyance:
  - Assignment
  - □ Merger
  - ☐ Security Agreement
  - □ Change of Name
  - ☐ Other:

Execution Date: 6/1/98 and 6/2/98 respectively

Application number(s) or patent number(s):
 If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/046,198

B. Patent No.(s):

Additional numbers attached? ☐ Yes ■ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Scott C. Harris, Reg. No. 32,030 Fish & Richardson P.C. 4225 Executive Square, Suite 1400 La Jolla, CA 92037

- 6. Total number of applications/patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40
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dulup

#### FISH & RICHARDSON P.C.

#### **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

having the address:

م القرار العالم الم

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

Attorney Docket No: 07977/241001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 09/046,198 Filing Date: March 23, 1998

- 1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.
- 2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Page 1 of 2

- 3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.
- 4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.
- 5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

June 1, 1998	Yoshiharu Kirakata
Date	Typed Name: Yoshiharu HIRAKATA
June 1, 1998  Date	Typed Name: Takeshi FUKADA
June 2, 1998 Date	Typed Name: Skanpei YAMAZAKI
This assignment —	ear he signed before a LLS. Notage Public or before at least two with

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

Date	Typed Name:
Date	Typed Name: